

Claims

1. A process for molding a copolymer of a polyalkylene glycol terephthalate and an aromatic ester, comprising the steps of

5 a) preparing a solution of the copolymer in a suitable first solvent; and

b) forming a gel of the solution.

2. A process according to claim 1, wherein the first solvent is chosen from the group of N-methylpyrrolidone, 1,4-dioxane, 1,3-dioxane, and combinations thereof.

10 3. A process according claim 1 or 2 wherein the solution is prepared at a temperature of 20-200°C.

4. A process according to any of the preceding claims, wherein the solution comprises between 5 and 90 wt.%, based on the weight of the solution, of the copolymer.

15 5. A process according to any of the preceding claims, wherein an additive is added to the solution, which additive is chosen from the group of calcium phosphates and biologically active agents.

20 6. A gel obtainable by a process according to any of the preceding claims.

7. A process according to any of claims 1-5, wherein the gel is placed in a second suitable solvent to obtain a solid body of the copolymer.

25 8. A process according to claim 7, wherein the second solvent is chosen from the group of water, ethanol, isopropanol, body fluids, and combinations thereof.

9. A process according to claim 7 or 8, wherein the gel is placed in an amount of at least 300 vol.%, with respect to the volume of the gel, of the second solvent.

30 10. A process according to any of claims 1-6, wherein the gel is freeze-dried to obtain a solid body of the copolymer.

11. A solid body obtainable by a process according to any of the claims 7-10.

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11. The use of a solid body according to claim 10 as a scaffold for tissue engineering or a bone filler cement.

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